

## Refine Search

### Search Results -

Terms	Documents
L3 adj (supported)	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L18

Refine Search

Recall Text



Clear

Interrupt

### Search History

DATE: Friday, October 15, 2004   [Printable Copy](#)   [Create Case](#)

#### Set Name Query

side by side

#### Hit Count Set Name

result set

*DB=PGPB,USPT; PLUR=YES; OP=AND*

<u>L18</u>	L3 adj (supported)	0	<u>L18</u>
<u>L17</u>	L3 adj bonded	0	<u>L17</u>
<u>L16</u>	L3 adj (solid support)	0	<u>L16</u>
<u>L15</u>	L3 adj bound	0	<u>L15</u>
<u>L14</u>	L3 adj covalently	1	<u>L14</u>
<u>L13</u>	L3 adj (covalently bound)	0	<u>L13</u>
<u>L12</u>	L11 and silica	22	<u>L12</u>
<u>L11</u>	L3 and (covalently tethered)	35	<u>L11</u>
<u>L10</u>	L9 and silica	351	<u>L10</u>
<u>L9</u>	L3 and covalent	741	<u>L9</u>
<u>L8</u>	L3 and (silica adj support)	3	<u>L8</u>
<u>L7</u>	L3 adj (bound to silica)	0	<u>L7</u>
<u>L6</u>	L3 adj tethered	0	<u>L6</u>
<u>L5</u>	L4 and silica	168	<u>L5</u>

<u>L4</u>	L3 and (solid adj support)	327	<u>L4</u>
<u>L3</u>	(cyclic) adj (anhydride)	3290	<u>L3</u>
<u>L2</u>	L1 and tethered	437	<u>L2</u>
<u>L1</u>	(cyclic anhydride) and (silica support)	10559	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate OACS](#)

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20040186319 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 3

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040186319  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040186319 A1

TITLE: Synthesis of N-vinyl formamide

PUBLICATION-DATE: September 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beckman, Eric J.	Aspinwall	PA	US	
Chapman, Toby M.	Pittsburgh	PA	US	
Favero, Cedrick Gilbert	Givors	WI	FR	
Capelli, Christopher C.	Kenosha	PA	US	
Swift, Harold E.	Gibsonia		US	

US-CL-CURRENT: 564/215

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 5153166 A

L8: Entry 2 of 3

File: USPT

Oct 6, 1992

US-PAT-NO: 5153166  
DOCUMENT-IDENTIFIER: US 5153166 A  
\*\* See image for Certificate of Correction \*\*

TITLE: Chromatographic stationary supports

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	----------

☐ 3. Document ID: US 4804686 A

L8: Entry 3 of 3

File: USPT

Feb 14, 1989

US-PAT-NO: 4804686

DOCUMENT-IDENTIFIER: US 4804686 A

TITLE: Cation-exchange support materials and method

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	-----	---------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L3 and (silica adj support)	3

Display Format: -

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Refine Search

### Search Results -

Terms	Documents
L1 and silica	10014

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L10

Refine Search

Recall Text 

Clear

Interrupt

### Search History

DATE: Friday, October 15, 2004    [Printable Copy](#)    [Create Case](#)

**Set Name**    **Query**  
 side by side

**Hit Count**    **Set Name**  
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=AND

<u>L10</u>	L1 and silica	10014	<u>L10</u>
<u>L9</u>	(cyclic anhydride) and (silica)	35819	<u>L9</u>
<u>L8</u>	(cyclic anhydride) adj (support)	0	<u>L8</u>
<u>L7</u>	(cyclic anhydride) adj (silica)	0	<u>L7</u>
<u>L6</u>	(Cyclic anhydride) adj (covalently tethered)	0	<u>L6</u>
<u>L5</u>	L4 and silica	452	<u>L5</u>
<u>L4</u>	(Cyclic anhydride) and (covalently tethered)	588	<u>L4</u>
<u>L3</u>	(Cyclic anhydride) and (covalently teethered)	0	<u>L3</u>
<u>L2</u>	L1 silica	10014	<u>L2</u>
<u>L1</u>	cyclic anhydride and solid support	15505	<u>L1</u>

END OF SEARCH HISTORY

L Number	Hits	Search Text	DB	Time stamp
1	431	(564/215).CCLS.	USPAT; US-PGPUB	2004/10/15 14:04

L Number	Hits	Search Text	DB	Time stamp
1	454	(521/28).CCLS.	USPAT; US-PGPUB	2004/10/15 15:50
2	492	(502/402).CCLS.	USPAT; US-PGPUB	2004/10/15 15:50

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:16:35 ON 15 OCT 2004

=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CASREACT' ENTERED AT 14:16:46 ON 15 OCT 2004  
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
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FILE CONTENT:1840 - 10 Oct 2004 VOL 141 ISS 15

\*\*\*\*\*  
\*  
\* CASREACT now has more than 8 million reactions \*  
\*  
\*\*\*\*\*

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

Uploading C:\STNEXP4\652104.str

L1 STRUCTURE UPLOADED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.63

FILE 'CASREACT' ENTERED AT 14:17:12 ON 15 OCT 2004  
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FILE CONTENT:1840 - 10 Oct 2004 VOL 141 ISS 15

\*\*\*\*\*  
\*  
\* CASREACT now has more than 8 million reactions \*  
\*  
\*\*\*\*\*

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991)



provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

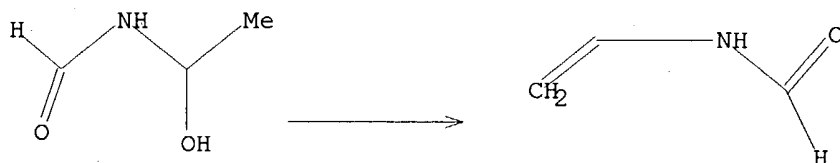
Uploading C:\STNEXP4\652104.str

L2 STRUCTURE UPLOADED

=> d

L2 HAS NO ANSWERS

L2 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 12

SAMPLE SEARCH INITIATED 14:17:31 FILE 'CASREACT'

SCREENING COMPLETE - 77 REACTIONS TO VERIFY FROM 19 DOCUMENTS

100.0% DONE 77 VERIFIED 0 HIT RXNS 0 DOCS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED VERIFICATIONS: 1014 TO 2066  
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L2 ( 0 REACTIONS)

=> s 12 ful

FULL SEARCH INITIATED 14:17:36 FILE 'CASREACT'

SCREENING COMPLETE - 2090 REACTIONS TO VERIFY FROM 391 DOCUMENTS

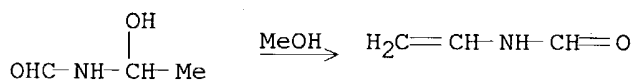
100.0% DONE 2090 VERIFIED 2 HIT RXNS 2 DOCS  
SEARCH TIME: 00.00.01

L4 2 SEA SSS FUL L2 ( 2 REACTIONS)

=> d 14 1-2

L4 ANSWER 1 OF 2 CASREACT COPYRIGHT 2004 ACS on STN

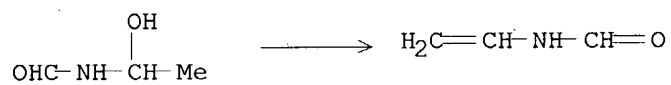
RX(2) OF 3



REF: Jpn. Kokai Tokkyo Koho, 63190862, 08 Aug 1988, Showa

L4 ANSWER 2 OF 2 CASREACT COPYRIGHT 2004 ACS on STN

RX(2) OF 5



REF: Ger. Offen., 3500773, 25 Jul 1985